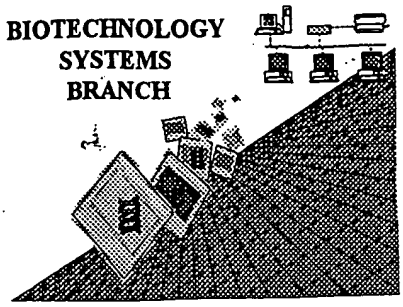
#5

BIOTECHNOLOGY SYSTEMS BRANCH



RAW SEQUENCE LISTING ERROR REPORT

BC

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/830,400

Source: PCT/09

Date Processed by STIC: 8/30/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

http://www.uspto.gov/web/offices/pac/checker

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/830,400

DATE: 08/30/2001
TIME: 10:04:17

Input Set : A:\Es.txt
Output Set: N:\CRF3\08302001\I830400.raw

Does Not Comply
Corrected Diskette Needed

pg 1-3

```
 4 <110> APPLICANT: Nadler, Lee M.
 5       Hahn, William C.
 6       Schultz, Joachim L.
 7       Vonderheide, Robert H.
10 <120> TITLE OF INVENTION: CANCER IMMUNOTHERAPY AND DIAGNOSIS USING
11       UNIVERSAL TUMOR ASSOCIATED ANTIGENS, SUCH AS THE TELOMERASE
12       CATALYTIC SUBUNIT (hTERT), AND METHODS FOR IDENTIFYING
13       UNIVERSAL TUMOR ASSOCIATED ANTIGENS
16 <130> FILE REFERENCE: 50059/007002
18 <140> CURRENT APPLICATION NUMBER: US 09/830,400
19 <141> CURRENT FILING DATE: 2001-04-25
21 <150> PRIOR APPLICATION NUMBER: PCT/US99/25438
22 <151> PRIOR FILING DATE: 1999-10-29
24 <150> PRIOR APPLICATION NUMBER: US 60/106,106
25 <151> PRIOR FILING DATE: 1998-10-29
27 <160> NUMBER OF SEQ ID NOS: 72
29 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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ERRORED SEQUENCES

(global error)

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32 <211> LENGTH: 9
33 <212> TYPE: PRT
34 <213> ORGANISM: Homo sapiens
36 <400> SEQUENCE: 1
E--> 37 Ile Leu Ala Lys Phe Leu His Trp Leu 1               5
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 9
41 <212> TYPE: PRT
42 <213> ORGANISM: Homo sapiens
44 <400> SEQUENCE: 2
E--> 45 Lys Leu Phe Gly Val Leu Arg Leu Lys 1               5
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 9
49 <212> TYPE: PRT
50 <213> ORGANISM: Homo sapiens
52 <400> SEQUENCE: 3
E--> 53 Glu Leu Leu Arg Ser Phe Phe Tyr Val 1               5
55 <210> SEQ ID NO: 4
56 <211> LENGTH: 9
57 <212> TYPE: PRT
58 <213> ORGANISM: Homo sapiens
60 <400> SEQUENCE: 4
E--> 61 Arg Leu Val Asp Asp Phe Leu Leu Val 1               5
63 <210> SEQ ID NO: 5
64 <211> LENGTH: 9
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insert a hard return after last amino acid

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/830,400

DATE: 08/30/2001
TIME: 10:04:17

Input Set : A:\Es.txt
Output Set: N:\CRF3\08302001\I830400.raw

65 <212> TYPE: PRT
66 <213> ORGANISM: Homo sapiens
68 <400> SEQUENCE: 5
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71 <210> SEQ ID NO: 6
72 <211> LENGTH: 9
73 <212> TYPE: PRT
74 <213> ORGANISM: Homo sapiens
76 <400> SEQUENCE: 6
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79 <210> SEQ ID NO: 7
80 <211> LENGTH: 9
81 <212> TYPE: PRT
82 <213> ORGANISM: Homo sapiens
84 <400> SEQUENCE: 7
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87 <210> SEQ ID NO: 8
88 <211> LENGTH: 10
89 <212> TYPE: PRT
90 <213> ORGANISM: Homo sapiens
92 <400> SEQUENCE: 8
E--> 93 Lys Leu Thr Arg His Arg Val Thr Tyr Val 1 5 10
95 <210> SEQ ID NO: 9
96 <211> LENGTH: 10
97 <212> TYPE: PRT
98 <213> ORGANISM: Homo sapiens
100 <400> SEQUENCE: 9
E--> 101 Leu Leu Leu Asp Thr Arg Thr Leu Glu Val 1 5 10
103 <210> SEQ ID NO: 10
104 <211> LENGTH: 10
105 <212> TYPE: PRT
106 <213> ORGANISM: Homo sapiens
108 <400> SEQUENCE: 10
E--> 109 Phe Leu His Trp Leu Met Ser Val Tyr Val 1 5 10
111 <210> SEQ ID NO: 11
112 <211> LENGTH: 10
113 <212> TYPE: PRT
114 <213> ORGANISM: Homo sapiens
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E--> 117 Phe Leu Leu Lys Leu Thr Arg His Arg Val 1 5 10
119 <210> SEQ ID NO: 12
120 <211> LENGTH: 10
121 <212> TYPE: PRT
122 <213> ORGANISM: Homo sapiens
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E--> 125 Trp Leu Met Ser Val Tyr Val Val Glu Leu 1 5 10
127 <210> SEQ ID NO: 13
128 <211> LENGTH: 10
129 <212> TYPE: PRT

130 <213> ORGANISM: Homo sapiens
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E--> 133 Gly Leu Phe Asp Val Phe Leu Arg Phe Met 1 5 10
135 <210> SEQ ID NO: 14
136 <211> LENGTH: 9
137 <212> TYPE: PRT
138 <213> ORGANISM: Homo sapiens
140 <400> SEQUENCE: 14
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143 <210> SEQ ID NO: 15
144 <211> LENGTH: 9
145 <212> TYPE: PRT
146 <213> ORGANISM: Homo sapiens
148 <400> SEQUENCE: 15
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151 <210> SEQ ID NO: 16
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153 <212> TYPE: PRT
154 <213> ORGANISM: Homo sapiens
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159 <210> SEQ ID NO: 17
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161 <212> TYPE: PRT
162 <213> ORGANISM: Homo sapiens
164 <400> SEQUENCE: 17
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167 <210> SEQ ID NO: 18
168 <211> LENGTH: 9
169 <212> TYPE: PRT
170 <213> ORGANISM: Homo sapiens
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E--> 173 Leu Leu Phe Gly Tyr Pro Val Tyr Val 1 5
175 <210> SEQ ID NO: 19
176 <211> LENGTH: 9
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185 <212> TYPE: PRT
186 <213> ORGANISM: Homo sapiens
188 <400> SEQUENCE: 20
E--> 189 Gly Ile Leu Gly Phe Val Phe Thr Leu 1 5

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/830,400

DATE: 08/30/2001
TIME: 10:04:18

Input Set : A:\Es.txt
Output Set: N:\CRF3\08302001\I830400.raw

L:37 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:1
L:45 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:2
L:53 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:3
L:61 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:4
L:69 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:5
L:77 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:6
L:85 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:7
L:93 M:252 E: No. of Seq. differs, <211>LENGTH:Input:10 Found:0 SEQ:8
L:101 M:252 E: No. of Seq. differs, <211>LENGTH:Input:10 Found:0 SEQ:9
L:109 M:252 E: No. of Seq. differs, <211>LENGTH:Input:10 Found:0 SEQ:10
L:117 M:252 E: No. of Seq. differs, <211>LENGTH:Input:10 Found:0 SEQ:11
L:125 M:252 E: No. of Seq. differs, <211>LENGTH:Input:10 Found:0 SEQ:12
L:133 M:252 E: No. of Seq. differs, <211>LENGTH:Input:10 Found:0 SEQ:13
L:141 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:14
L:149 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:15
L:157 M:252 E: No. of Seq. differs, <211>LENGTH:Input:10 Found:0 SEQ:16
L:165 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:17
L:173 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:18
L:181 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:19
L:189 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:20
L:197 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:21
L:205 M:252 E: No. of Seq. differs, <211>LENGTH:Input:10 Found:0 SEQ:22
L:213 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:23
L:221 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:24
L:229 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:25
L:237 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:26
L:245 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:27
L:253 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:28
L:261 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:29
L:269 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:30
L:277 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:31
L:285 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:32
L:293 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:33
L:301 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:34
L:309 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:35
L:317 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:36
L:325 M:252 E: No. of Seq. differs, <211>LENGTH:Input:10 Found:0 SEQ:37
L:333 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:38
L:341 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:39
L:349 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:40
L:357 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:41
L:365 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:42
L:373 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:43
L:381 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:44
L:389 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:45
L:397 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:46
L:405 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:47
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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/830,400

DATE: 08/30/2001
TIME: 10:04:18

Input Set : A:\Es.txt
Output Set: N:\CRF3\08302001\I830400.raw

L:421 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:49
L:429 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:0 SEQ:50